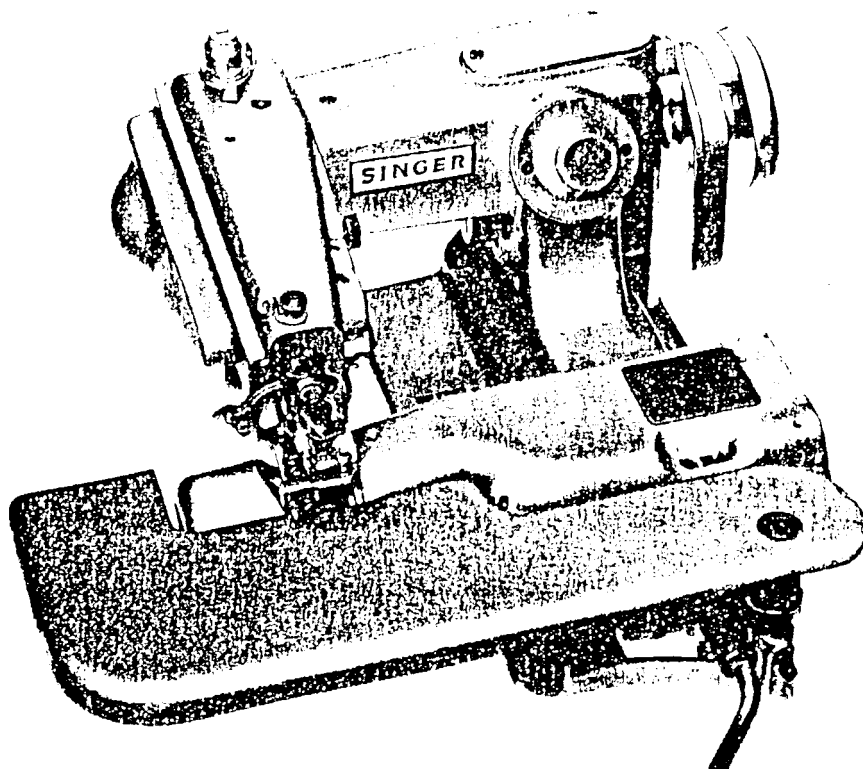


**SINGER**  
**6SS**

**INSTRUCTIONS**

# **BLINDSTITCH MACHINES**



**MODEL 6 SS**

***SOLD AND SERVICED BY***

# **THE SINGER COMPANY**

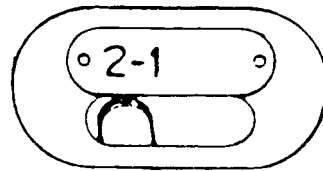
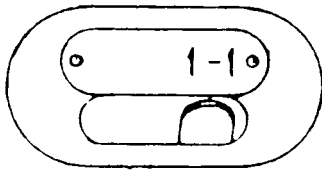
## STITCH RATIO ADJUSTMENT

RATIO 1 to 1 catches every stitch.

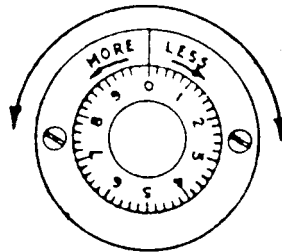
RATIO 2 to 1 catches every other stitch.

*WHEN CHANGING FROM 2 to 1 or 1 to 1*

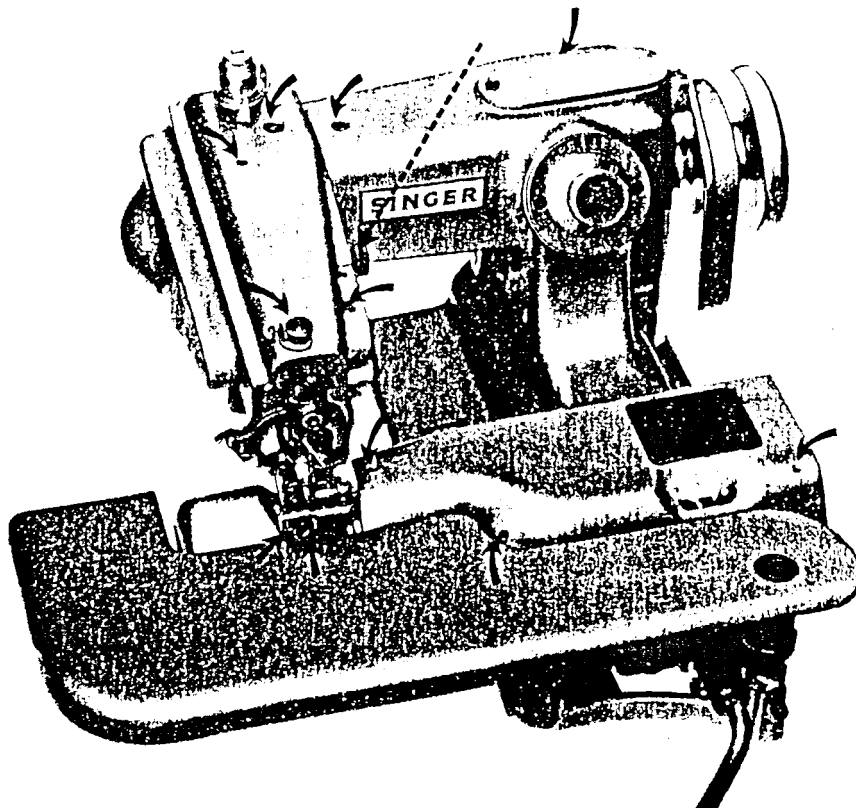
MOVE RATIO LEVER



TURN PENETRATION DIAL TOWARD LESS OR MORE FOR DESIRED PENETRATION



## OILING INSTRUCTIONS



- A. Oiling locations are marked in red.
- B. Lubricate in accordance with instructions before operating Machine.
- C. Few drops of oil at all points as shown above.
- D. Oil machine twice daily.

### TO REMOVE COVER

Loosen knurled knob as indicated above by a broken line arrow.

## MOUNTING MACHINE

1. Fasten the machine to table using felt pad.

Tighten the bolts evenly.

a. When an individual motor and clutch unit is employed, it is recommended that the motor be 1/3 H.P. and 1725/1750 R.P.M. On models intended for alterations use a 3½" outside diameter motor pulley. Use a 4" outside diameter pulley for production sewing.

b. The recommended machine speed for any installation is between 2500 and 2800 R.P.M.

2. The handwheel's direction of rotation is away from the operator. Rotation is in a clockwise direction when looking at the face of the wheel pulley.

PULLEY	APPROX. SPEED
3½"	2400 R.P.M.
4"	2750 R.P.M.

## NEEDLE DATA

*USE SINGER NEEDLES CAT. # 3690 or # 7425*

### SYSTEM 251

### SINGER CATALOG 3690

#### SHORT POINT NEEDLE

METRIC	70	75	80	85	90	95	100	105	110	120
U.S.	0	1	1½	2	2½	3	3½	4	4½	5
SINGER	10	11	12	13	14	15	16	17	18	19

### SYSTEM 251 Lg

### SINGER CATALOG 7425

#### LONG POINT NEEDLE

METRIC	70	75	80	85	90	95	100	105	110
U.S.	5	10	15	20	25	30	35	40	45
SINGER	10	11	12	13	14	15	16	17	18

## NEEDLE/APPLICATION GUIDE

### SIZE

### MATERIAL

11-12	For very fine materials, such as: chiffon, celanese, Georgette, etc.
13-14	Cotton, silks and lightweight fabrics, nylon, orlon and dacron.
15-16	Medium weight material, such as: trouser cuffs, lapel padding, etc.
17-18	Extremely heavy material, such as: Overcoats.

## NEEDLE SETTING & CHANGING

1. To remove needle, loosen screw (A), (See Fig. 1), turn needle and slip out. To replace, insert needle up into groove as far as possible and tighten screw (A). Good results are assured only with the use of a sharp needle.
2. Turn handwheel *Clockwise* until eye of needle is even with the rib. *The rib should just touch the needle.*

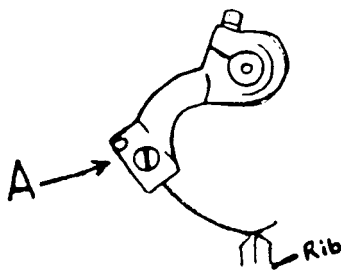
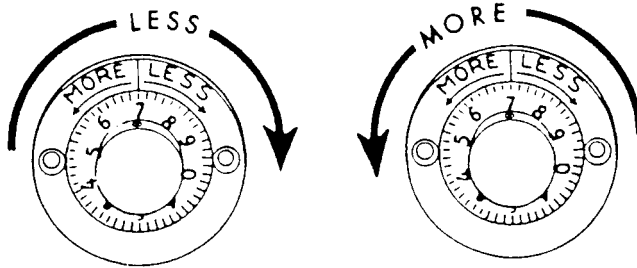


Fig. 1

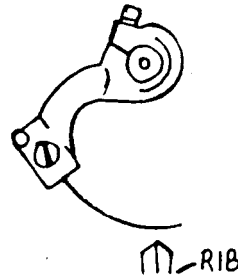
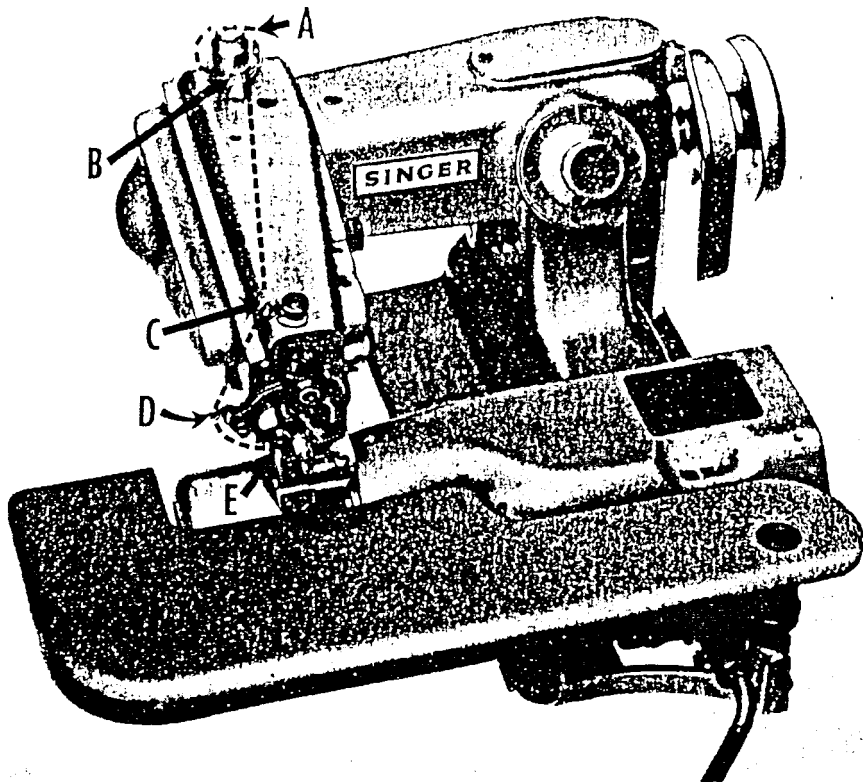


Fig. 2

3. If the rib is pressing up against the needle (Fig. 1) turn the dial toward "Less".  
If the rib is away from the needle (Fig. 2) turn the dial toward "More".
4. When testing machine and when ratio is set 2 to 1, take a single layer of material, place in machine and turn machine by hand. When the needle catches once, then it does not catch on the next stroke, the machine is ready to operate.
5. When the ratio is 1 to 1 the needle should catch on every stroke.

## THREADING CHART

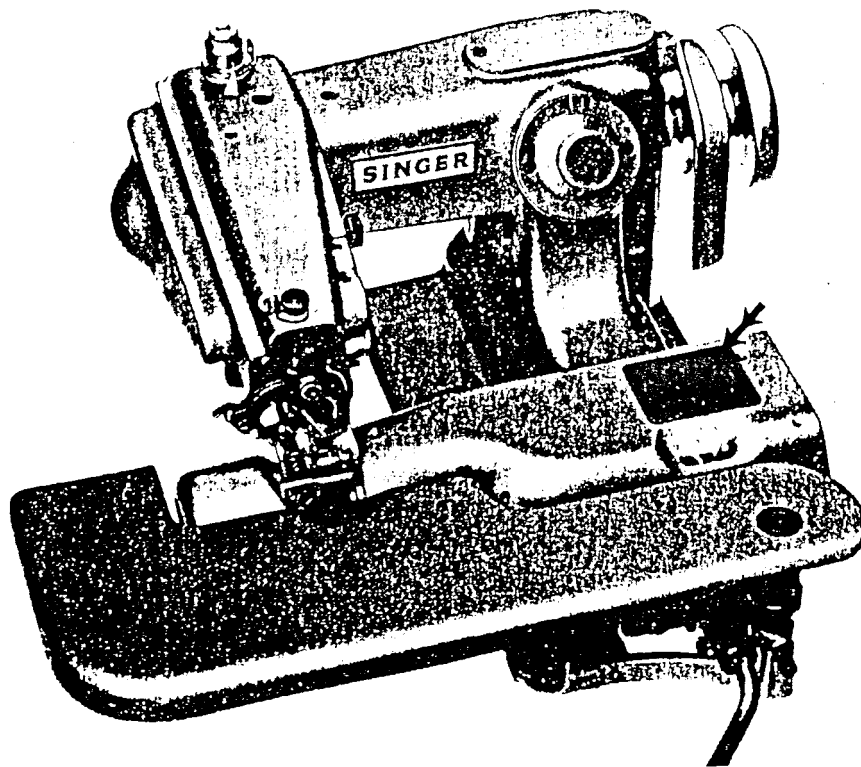


- A. Use thread suitable for the fabric being sewn.
- B. In threading, the thread is passed through rear thread guide "A", then slides between two tension discs and behind guide "B", then through front thread guide "C", then down through needle clamp guide hole "D", and entering from the underside of needle hole "E".
- C. Leave enough thread, about 2 to 3 inches past needle hole.



## TO ADJUST KNEE LIFTER

REMOVE PLATE, as indicated by arrow, unloosen the two screws, then adjust Knee Control to your satisfaction.



## TENSION

Loosen tension, if material puckers.

If stitch is loose make sure thread is between the two tension discs, then tighten accordingly. Do not hesitate to turn tension knob several times as needed.

This machine requires very little tension to set the stitch securely.